PERFORMANCE DATA SHEET
1817

Monoclonal anti-human CD55 (DAF)/Biotin*

mAb name/Clone: **67**
Isotype: Mouse IgG1κ
Immunogen: Human monocytes

CATALOG#: 207-030
QUANTITY: 100 µg **CONCENTRATION: 1.0 mg/ml**

INFORMATION: Human CD55 is a GPI anchored protein that can protect cells from complement mediated lysis. Antibody 67 recognizes the CD55 molecule of 70 kd.
References: D.G. Palmer, et al, (1985) Clin Exp Immunol **59**: 529-538. Leukocyte Typing V (S.F. Schlossman, et al, eds.) Oxford University Press, Oxford (1995) p. 1473-1474.

STORAGE CONDITIONS: ***Store at 2 - 5°C***. Freeze/thawing not recommended.

PRODUCT STABILITY: Product should retain activity for at least 12 months after shipping date when stored as recommended. Ship Date:_____

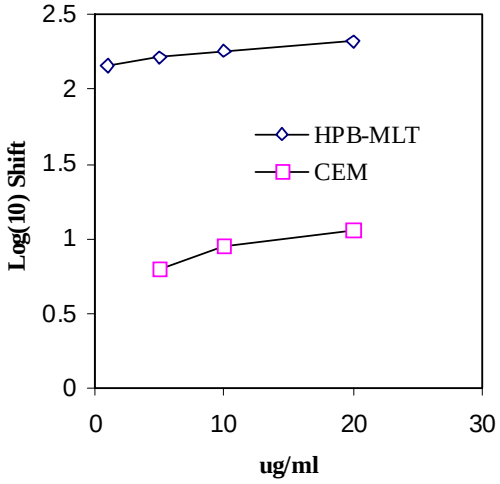
BUFFER: 50 mM Sodium Phosphate pH 7.5, 100 mM Potassium Chloride, 150mM NaCl, 5% Glycerol, 0.2% BSA, 0.04% NaN_3 (as a preservative).

PRODUCTION: Antibody from (low FBS containing) tissue culture supernatant was Protein A purified to >95% mouse immunoglobulin by SDS-PAGE (<1% bovine immunoglobulin), and reacted with NHS-Biotin. Unconjugated Biotin was removed from conjugate using a desalting column.

PERFORMANCE: Five x 10^5 **HPB-MLT** human tumor cells were washed and incubated 45 minutes on ice with 80 µl of anti-CD55/Biotin at **20 µg/ml**. Cells were washed twice and incubated with 2° reagent Streptavidin/R-Phycoerythrin (Catalog #253-050), after which they were washed three times, fixed and analyzed by FACS. Cells stained positive with a mean shift of **2.26** $\log_{10}$ fluorescent units when compared to a Mouse IgG1/Biotin negative control (Catalog #278-030) at a similar concentration. Binding was blocked when cells were pre incubated 10 minutes with 20 µl of 0.5 mg/ml anti-CD55 antibody (Catalog #207-020).

This Product is intended for Laboratory Research use only.

Binding of anti-CD55/Biotin to human cell lines



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